

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	428	(251/63.5).ccls.	US-PGPUB; USPAT	ADJ	ON	2007/10/11 12:36
S2	51	("0467181" "0685748" "0962736" "0977105" "1245516" "1846624" "2090512" "2223699" "2397269" "2593740" "2602467" "2634754" "2654560" "2707484" "2778598" "2914083" "3168283" "3454032" "3592563" "3884251" "4019713" "4098171" "4307654" "4462426" "4541607" "4757974" "4813575" "4945941" "5411375" "5423129" "5540558").PN. OR ("5899435").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/11 14:49
S3	0	"10541903".an.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/11 14:50
S4	0	"10541903".rlan.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/11 14:50
S5	0	"10/541903".rlan.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/11 14:50
S6	0	"10541903".rlan.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/11 16:29
S7	5	("4589627" or "3811279" or "4064794" or "3164181"). pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/12 09:03
S8	23	("1490633" "1641131" "2587539" "2635634" "2867081" "3814375").PN. OR ("4589627").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/11 16:45
S9	1	99/474.ccls. and trap and (releas\$3 or expan\$4) and (vessel)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/12 09:04
S10	16	("1325847" "2638137" "2676632" "3164181" "3623627" "3844597" "3853049").PN. OR ("4064794").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/12 09:08

S11	11	("1325847" "2638137" "2676632" "3164181" "3623627" "3844597" "3853049").PN. OR ("4064794").URPN. and trap	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/12 09:08
S12	11	("1325847" "2638137" "2676632" "3164181" "3623627" "3844597" "3853049").PN. OR ("4064794").URPN. and trap and solid	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/12 09:13
S13	11	("1325847" "2638137" "2676632" "3164181" "3623627" "3844597" "3853049").PN. OR ("4064794").URPN. and trap and solid and expan\$4 and vessel	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/12 09:14
S14	0	((("1325847" "2638137" "2676632" "3164181" "3623627" "3844597" "3853049").PN. OR ("4064794").URPN.) and trap and solid and expan\$4 and vessel	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/12 09:14
S15	1	((("1325847" "2638137" "2676632" "3164181" "3623627" "3844597" "3853049").PN. OR ("4064794").URPN.) and trap	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/12 09:15
S16	2	((("1325847" "2638137" "2676632" "3164181" "3623627" "3844597" "3853049").PN. OR ("4064794").URPN.) and solid	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/12 09:17
S17	1	10/541903	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/12 09:21
S18	2	99/467.ccls. and steam and peel and vessel and pressure	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/12 09:35
S19	0	99/467.ccls. and (solids trap) and expan\$4	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/12 09:35
S20	0	99/467.ccls. and (solids trap)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/12 09:36
S21	185	(solids trap)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/12 09:36
S22	39	(solids trap) and (expan\$4)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/12 10:50

S23	33	(solids trap) and (expan\$4) and pressure	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/12 10:09
S24	9	(solids trap) same (expan\$4) and pressure	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/12 09:36
S25	7	(solids trap) same (expan\$4) same pressure	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/12 09:37
S26	17	(solids trap) and ((expan\$4) same pressur\$6)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/12 09:38
S27	0	("2003/0170364").URPN.	USPAT	ADJ	ON	2007/10/12 10:00
S28	0	("2003/0170364").URPN.	USPAT	ADJ	ON	2007/10/12 10:01
S29	0	"431" "702"	EPO	ADJ	ON	2007/10/12 10:03
S30	1	"431702"	EPO	ADJ	ON	2007/10/12 10:04
S31	557	426/481.ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/12 10:09
S32	5	426/481.ccls. and (trap same (expansion or steam or pressur\$4))	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/12 10:10
S33	5	("3354923").URPN.	USPAT	ADJ	ON	2007/10/12 10:13
S34	30	("0676969" "0738745" "0843413" "1230757" "1818367" "1945820" "2850162" "2917344" "3096276" "3354923" "3360125" "3710561" "4251356" "4441994" "4481019").PN. OR ("4988373").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/12 10:15
S35	1	((("0676969" "0738745" "0843413" "1230757" "1818367" "1945820" "2850162" "2917344" "3096276" "3354923" "3360125" "3710561" "4251356" "4441994" "4481019").PN. OR ("4988373").URPN.) and steam	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/12 10:18
S36	120	426/481.ccls. and steam	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/12 10:18
S37	5	426/481.ccls. and steam and trap	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/12 10:20
S38	69	426/481.ccls. and steam and solids	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/12 10:20
S39	20	426/481.ccls. and steam and (remov\$2 near3 solids)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/12 10:24

S40	201	"209".clas. and steam and (remov\$2 near3 solids)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/12 10:24
S41	61	"209".clas. and steam same (remov\$2 near3 solids)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/12 10:32
S42	0	"99/584".clas. and steam same (remov\$2 near3 solids)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/12 10:34
S43	0	"426/478,479,481".clas. and steam same (remov\$2 near3 solids)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/12 10:34
S44	0	(426\478 or 426\479 or 426\481).ccls. and steam same (remov\$2 near3 solids)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/12 10:36
S45	0	(426\478 or 426\479 or 426\481).ccls. and (remov\$2 near3 solids)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/12 10:36
S46	0	(426\478 or 426\479 or 426\481).ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/12 10:36
S47	14	(426/478 or 426/479 or 426/481).ccls. and steam same (remov\$2 near3 solids)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/12 10:36
S48	126	(solids trap) and (pressur \$4)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/12 11:05
S49	35	(solids trap) and (steam)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/12 11:05
S50	4	(solids trap) with (steam)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/12 11:06
S51	0	("2032299").URPN.	USPAT	ADJ	ON	2007/10/12 11:06
S52	0	("2032299").URPN.	USPAT	ADJ	ON	2007/10/12 11:07
S53	0	("2032299").URPN.	USPAT	ADJ	ON	2007/10/12 11:08
S54	1	("2032299")	USPAT	ADJ	ON	2007/10/12 11:19
S55	358	202/170.ccls.	USPAT	ADJ	ON	2007/10/12 11:20
S56	17	202/170.ccls. and vessel and steam	USPAT	ADJ	ON	2007/10/12 11:23
S57	7	202/170.ccls. and (vessel with steam)	USPAT	ADJ	ON	2007/10/12 11:23
S58	3	202/170.ccls. and (steam same trap)	USPAT	ADJ	ON	2007/10/12 11:27
S59	5	202/170.ccls. and (pressur \$4 same trap)	USPAT	ADJ	ON	2007/10/12 11:35
S60	0	"10541903"	USPAT	ADJ	ON	2007/10/12 11:35

S61	0	"10/541903"	USPAT	ADJ	ON	2007/10/12 11:37
S62	1	"10/541903"	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/12 11:37
S63	1	10/541903	US-PGPUB; USPAT	ADJ	ON	2008/01/14 13:10
S64	431	251/63.5.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/01/14 13:47
S65	27	251/63.5.ccls. and (pressur \$4 same (steam or vessel))	US-PGPUB; USPAT	ADJ	ON	2008/01/14 13:48
S66	21	251/63.5.ccls. and (chang \$5 with seat)	US-PGPUB; USPAT	ADJ	ON	2008/01/14 13:49
S67	25	251/63.5.ccls. and (actuator with piston with air)	US-PGPUB; USPAT	ADJ	ON	2008/01/14 13:53
S68	39	251/63.5.ccls. and (actuator same piston same air)	US-PGPUB; USPAT	ADJ	ON	2008/01/14 13:55
S69	14	251/63.5.ccls. and (actuator same piston same air) not S67	US-PGPUB; USPAT	ADJ	ON	2008/01/14 13:56
S70	51	251/63.5.ccls. and (pressur \$4 near5 bias\$3)	US-PGPUB; USPAT	ADJ	ON	2008/01/14 14:12
S71	20	251/63.5.ccls. and (pressur \$4 near5 bias\$3) and (piston same air)	US-PGPUB; USPAT	ADJ	ON	2008/01/14 14:13
S72	46	("0122427" "1964196" "2323115" "3189045" "3362487" "3470972" "3476153" "3508577" "3563508" "3677353" "3693732" "3791621" "3827511" "3838707").PN. OR ("4044834").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/14 14:18
S73	18	("2259019" "3362487" "3470972" "3550696" "3613734" "R026220"). PN. OR ("3693732").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/14 14:28
S74	8	251/63.5.ccls. and (pressure vessel)	US-PGPUB; USPAT	ADJ	ON	2008/01/14 14:29
S75	83	251/63.5.ccls. and (pressure with bias\$5)	US-PGPUB; USPAT	ADJ	ON	2008/01/14 14:32
S76	79	251/63.5.ccls. and (pressure with bias\$5) and piston	US-PGPUB; USPAT	ADJ	ON	2008/01/14 14:32
S77	13	251/63.5.ccls. and (pressure with bias\$5) and (piston with pneumatic)	US-PGPUB; USPAT	ADJ	ON	2008/01/14 14:33
S78	9	251/63.5.ccls. and (fluid with bias\$5) and (piston with pneumatic)	US-PGPUB; USPAT	ADJ	ON	2008/01/14 14:35

S79	64	251/63.5.ccls. and (piston with pneumatic)	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/14 14:36
S80	1	"4976404".pn.	US-PGPUB; USPAT	ADJ	ON	2008/01/14 14:45
S81	384	251/63.5.ccls. and (piston)	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/14 14:46
S82	63	251/63.5.ccls. and (piston with actuator) and (pressur \$4 with fluid with (retain or bias or clos\$3))	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/14 14:47
S83	7	251/63.5.ccls. and (piston with actuator) and (pressur \$4 with fluid with (retain or bias or clos\$3)) not spring	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/14 14:52
S84	15	251/63.5.ccls. and (piston with actuator) not spring	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/14 14:54
S85	15	("3065597" "3102386").PN. OR ("4023355").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/14 14:56
S86	4	("137" or "251").clas. and (air-driven piston)	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/14 15:29
S87	38	("137" or "251").clas. and (valve member) near6 interchangeable	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/14 16:15
S88	2227	("137" or "251").clas. and interchangeable	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/14 16:33
S89	80	("137" or "251").clas. and interchangeable with seal	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/14 16:33
S90	68	("137" or "251").clas. and interchangeable with material	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/14 16:34
S91	268	("137" or "251").clas. and (valve member) with removabl\$2 with stem	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/14 16:35
S92	268	("137" or "251").clas. and ((valve member) with removabl\$2 with stem)	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/14 16:35
S93	46	("137" or "251").clas. and (((valve member) with removabl\$2 with stem) same materials)	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/14 16:36
S94	19	("137" or "251").clas. and ((valve member) with removabl\$2 with stem) and poppet	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/14 16:37
S95	5	("3164181" "3811279" "4064794" "4589627").PN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/14 18:14
S96	1	"5078177".pn.	US-PGPUB; USPAT	ADJ	ON	2008/01/14 18:23

S97	1	10/541903	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/10/07 14:47
S98	2	"5899435".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/10/07 14:55
S99	556	251/63.5.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/10/07 15:08
S100	230	251/63.5.ccls. and (pressure near5 (chamber or vessel))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/10/07 15:08
S101	153	251/63.5.ccls. and (pressure near5 (chamber or vessel)) and (pressure near5 (clos\$4 or shut))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/10/07 15:17
S102	129	251/63.5.ccls. and (pressure near4 (chamber or vessel)) and (pressure near4 (clos\$4 or shut))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/10/07 15:18
S103	21	251/63.5.ccls. and (pressure near4 (chamber or vessel)) and (pressure with valve with head with (clos\$4 or shut))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/10/07 15:27
S104	18	("3331583").URPN.	USPAT	OR	OFF	2008/10/07 15:36
S105	32	251/63.5.ccls. and (pressure with valve with head with (clos\$4 or shut))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/10/07 15:47
S106	11	S105 not S104 not S103	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/10/07 15:48
S107	102	251/63.5.ccls. and (pressure with valve with (bias\$4 or keep\$4 or maintain\$4) with (clos\$4 or shut))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/10/07 15:54
S108	40	("4187764" "4543874" "4724801" "4791895" "4794890" "4831973" "4872425" "4974495").PN. OR ("5022358").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/10/07 16:04

S109	32	251/62,63,63.5.ccls. and (pressure with valve with (bias\$4 or keep\$4 or maintain\$4) with (clos\$4 or shut)) not spring	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/10/07 16:12
S110	31	251/62,63,63.5.ccls. and (pressure with valve with (bias\$4 or keep\$4 or maintain\$4) with (clos\$4 or shut)) not spring	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/07 16:14
S111	27	("2910267" "2928646" "2971090" "3272218" "3307574" "3542332" "3563508").PN. OR ("4014510").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/10/07 17:04
S112	207	"251".clas. and steam and (valve with seat) with (metal)	US-PGPUB; USPAT; USOCR	OR	OFF	2008/10/07 17:35
S113	95	"251".clas. and steam same (valve with seat) with (metal)	US-PGPUB; USPAT; USOCR	OR	OFF	2008/10/07 17:35
S114	51	("0467181" "0685748" "0962736" "0977105" "1245516" "1846624" "2090512" "2223699" "2397269" "2593740" "2602467" "2634754" "2654560" "2707484" "2778598" "2914083" "3168283" "3454032" "3592563" "3884251" "4019713" "4098171" "4307654" "4462426" "4541607" "4757974" "4813575" "4945941" "5411375" "5423129" "5540558").PN. OR ("5899435").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/04/02 11:56
S115	15	("1623431" "2707378" "2751183" "3099297" "3176730" "3638670").PN. OR ("3884251").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/04/02 12:05
S116	26	("3110319" "3178913" "3605795" "3818930" "4447707" "4687017" "5363872" "5558717").PN. OR ("5678595").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/04/02 13:23
S117	10	("4431159" "5678595" "5915410" "6227236" "6321780").PN. OR ("6478043").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/04/02 13:26

S118	49	("0122427" "1964196" "2323115" "3189045" "3362487" "3470972" "3476153" "3508577" "3563508" "3677353" "3693732" "3791621" "3827511" "3838707").PN. OR ("4044834").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/04/02 13:34
S119	35	("2675204" "3290003" "3499456").PN. OR ("3838707").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/04/02 13:42
S120	30	("3290003").URPN.	USPAT	OR	OFF	2009/04/02 13:46
S121	286	251/63.5.ccls. and piston	USPAT	OR	OFF	2009/04/02 13:53
S122	73	251/63.5.ccls. and piston not spring	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/04/02 14:01
S123	4	"4014510".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/04/02 14:23
S124	1	"10541903"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/04/02 14:29
S125	6	("3110319" "5678595" "5755255" "5915410" "6321780").PN. OR ("6748969").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/04/02 17:54
S126	49	("0122427" "1964196" "2323115" "3189045" "3362487" "3470972" "3476153" "3508577" "3563508" "3677353" "3693732" "3791621" "3827511" "3838707").PN. OR ("4044834").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/04/02 19:03
S127	25	("1338765" "3189233" "3219059" "3331583").PN. OR ("3563508").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/04/02 19:05
S128	10	("3219059").URPN.	USPAT	OR	OFF	2009/04/02 19:09
S129	0	11/703469	USPAT	OR	OFF	2009/04/02 19:10
S130	0	"10541903"	USPAT	OR	OFF	2009/04/02 19:10
S131	0	"10/541903"	USPAT	OR	OFF	2009/04/02 19:11

S132	1	"10/541903"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/04/02 19:11
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4/ 2/ 2009 8:41:03 PM

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